

ABOUT US

SUMET Yerbilimleri Sondajcilik LLC. was founded in 1980 in Istanbul and known as the first private establishment specialized in Geophysical Engineering. The headquarter was relocated in Izmir by 1988.

Sumet Yerbilimleri is owned by two partners: Geophysical Engineer, M.Sc. Erhan İöz and Civil (Geotechnical) Engineer, Dr. Grkem İöz.

SUMET is a specialized sub-contractor working on specific fields of geology and civil (geotechnical) engineering for domestic and international projects such as:



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Geophysical / Geological Fields

- ✚ geothermal resource investigation
- ✚ natural gas and carbon dioxide (CO₂) resource investigation
- ✚ marble, coal and other mining resource investigation (metallic and non-metallic mine reconnaissance)
- ✚ industrial raw material resources
- ✚ archeogeophysics research,
- ✚ groundwater resource determination and tests
- ✚ suitability to residential development investigations and reporting
- ✚ seismicity studies
- ✚ solid/non-solid waste site investigations

Geotechnical Fields

- ✚ geotechnical subsoil investigation
- ✚ soil borings
- ✚ site specific seismic risk assessment
- ✚ deep excavation support system application projects
- ✚ ground modification application projects
- ✚ reinforced earth wall
- ✚ soil structure interaction (SSI)
- ✚ site response analysis
- ✚ geotechnical reporting
- ✚ geotechnical consultancy

Our experienced staff, equipments and references are presented below:

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STAFF LIST

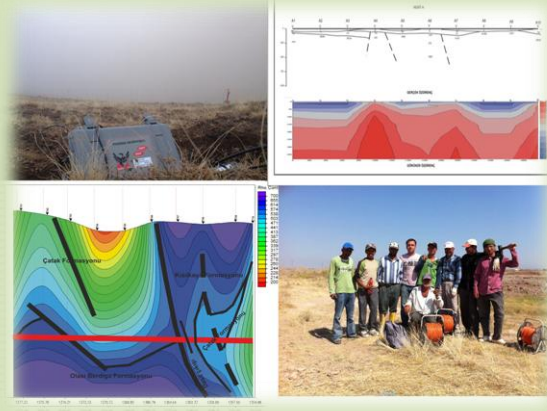
NAME	EDUCATION	JOB	EXPERIENCE
1. Erhan İöz (Geophysical Engineer M.Sc.)	İstanbul University, Faculty of Science Geophysics B.S. 1970; İÜ. Faculty of Science Geophysics M.Sc. 1980;	Partner of the Company Processing and reporting	44 YEARS
2. Dr. Gökrem İöz (Civil Engineer, Ph.D.)	Boğaziçi University B.S. 2000; University of California, Berkeley M.Sc. 2002 Boğaziçi University, Ph.D. ,2014	Partner of the Company	14 YEARS
3. Ecevit Gökçe Yurtkal (Geophysical Engineer)	Dokuz Eylül University B.D. 2000	Coordinator of Geophysical Jobs, Processing and Reporting	14 YEARS
4. Arif Cemal Seçkin (Geological Engineer)	İstanbul University B.S. 1988	Consultant	26 YEARS
5. Çağrı Öztürk (Geophysical Engineer)	Süleyman Demirel University B.S. 2007	Coordinator of Field Jobs	7 YEARS
6. Selim Can (Geophysical Engineer)	İstanbul University B.S. 2011	Field Engineer	3 YEARS
7. Özgür Yılmaz (Geological Engineer)	Dokuz Eylül University B.S. 2000	Geological Surveys	14 YEARS
8. Hazal Bostaner (Geophysical Engineer, M.Sc Student)	Dokuz Eylül University B.S. 2011	Data Processing	3 YEARS
9. Çağkan Çelik (Geophysical Engineer)	Dokuz Eylül University B.S. 2013	Field Engineer	1 YEARS
10. Eray Emre Elaydın (Geophysical Engineer)	Dokuz Eylül University B.S. 2013	Field Engineer	1 YEARS
11. Elif Berkmen (Civil Engineer, M.Sc., Geotechnical)	İstanbul University, Faculty of Science Geophysics B.S. 1999; İstanbul Kültür University, M.Sc., 2010	Geotechnical Senior Project Engineer, Coordinator	15 YEARS
12. Tolga Yardımcı (Civil Engineer, M.Sc., Geotechnical)	Çukurova University B.S. 2009 Boğaziçi University, M.Sc., 2013	Geotechnical Project Engineer	5 YEARS
13. Sevgim Nihan Akın (Civil Engineer, M.Sc., Geotechnical)	İstanbul University, Faculty of Engineering B.S. 2011; Boğaziçi University, M.Sc., 2013	Geotechnical Project Engineer	2 YEARS
14. Filiz Gülperi		Secretary	

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METHODS USED



- ✚ Magnetotelluric (MT)- Audio Magnetotelluric (AMT)
- ✚ Deep Resistivity (Electrical) (max AB/2 up to 5000 meter)
- ✚ Induced Polarization
- ✚ Magnetic (Proton Magnetometer)
- ✚ Microgravity
- ✚ Seismic 24 channel (Refraction, Reflection and 2D measurement - max 240 m laying)
- ✚ Seismic MASW, SASW and Remi
- ✚ Multi Elektrod Resistivity Method (2B ve 3B, max 300 m profile -60 electrode)
- ✚ Microtremor
- ✚ Self Polarization
- ✚ Well-Logging
- ✚ GPR (Georadar)
- ✚ Geotechnical Softwares (Plaxis-Talren etc.) - Project

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GEOPHYSICAL EQUIPMENTS

1. Magnetotelluric and Audio Magnetotelluric Equipment (MT/AMT)

- 4 sets – Phoenix MTU-5AM KIT -5-channel, 24 bit (2E+3H) for MT/AMT
- 12 -Magnetic sensor induction coils for MT (MTC-50H)
- 12 -Magnetic Sensor Induction Coil for AMT (AMTC-30)
- 24 - Case of sponorous pot electrode (PE4/6c)
- (SSMT2k-SW) AMT/MT software incl. Time series, edit, plot, dump, calibrate, EDI,etc.
- WinGlink Software

2. Resistivity (Electrical) Equipment

- 6 Sumetko V1 DC Resistivity Receiver
- 1 M.T.A made AC resistivity receiver - transmitter system
- 6 transmitter power supply between 1000 and 6500 watt
- 50000 m sahra cable and other apparatus
- Semi-Automatic Resistivity with 60 Electrode

3. Magnetometer Equipment

- Geometrics G856 Proton Magnetometer

4.Gravity Equipment

- Scintrex CG5 Autograv GravityMeter

5. IP -SP Equipment

- Time and Frequency Domain IP Tool
- (Self potential) 24sets and other apparatus

7. Seismic Equipment

- Seistronix Ras 24 Seismic Equipment (24 channel)
- 27 Vertical 4.5 Hz P geophone (for Masw)
- 26 Vertical 10 Hz P geophone
- 26 Vertical 100 Hz P geophone (for reflection)
- 26 Horizontal 10 Hz S geophone
- 27 Horizontal 14 Hz S geophone (double legs)

8. Microtremor Equipment

- Sara Sr04 SeismicData Logger
- Sara SS45 3 Channel Component Particle Velocity Sensors

9. GPR Equipment

- Mala Gpr X3M System
- Radarteam Cobra Gpr System
- 100, 250 ve 500 Mhz antenna sets

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GEOHERMAL INVESTIGATION REFERENCES

EMPLOYER	CITY	WORK AREA	METHODS	YEAR
AYTEMİZ ENERGY INC.	Salihli	Kabazlı	Resistivity	2008
AKYENİKÖY MUNICIPALITY	Didim	Akyeniköy	Resistivity-Sp	2007
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Manisa	Sart-1	Mt	2009
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Manisa	Sart-2	Resistivity	2009
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Salihli	Taytan	Resistivity	2009
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Manisa	Turgutlu	Resistivity	2009
SANKO (SANTRAL ENERGY) HOLDİNG CO.	İzmir	Dikili	Resistivity	2010
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Nevşehir	Acıgöl	Resistivity	2010
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Aydın	Nazilli	Resistivity	2011
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Aydın	Hamidiye	Resistivity	2011
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Aydın	Çiftlikköy	Resistivity	2010
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Aydın	Dalama	Resistivity	2010
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Aydın	Yamalak	Resistivity	2011
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Aydın	Yeniköy	Resistivity	2011
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Aydın	Koçarlı	Resistivity	2011
SANKO (SANTRAL ENERGY) HOLDİNG CO.	Aydın	Baltaköy	Resistivity	2010
KARKEY KARADENİZ ENERGY INC.	Aydın	Uşurlu	Resistivity	2010
JEOMAR ENERGY INC.	Ağrı	Diyadin	Resistivity	2010
JEOMAR ENERGY INC.	Van	Çaldıran	Resistivity	2010
JEOMAR ENERGY INC.	Düzce	Eftepi	Resistivity	2010
ME-GE MENDERES GEOTHERMAL INC.	Aydın	Salavatlı	Resistivity	2010
MAREN MARMARA ENERGY INC.	Aydın	Germencik1	Resistivity	2010
MAREN MARMARA ENERGY INC.	Aydın	Germencik2	Resistivity	2010
KİPER ENERGY INC.	Aydın	Nazilli	Resistivity	2010
SOYAK (MİS ENERGY INC.)	Manisa	Ahmetli	Resistivity	2010
SOYAK (MİS ENERGY INC.)	İzmir	Kemalpaşa	Resistivity	2011
LİNDE GAS INC. (Co2 Research)	Aksaray	Aratol	Resistivity	2011
ENERJİA (ENERGY HOLDİNG CO.)	Manisa	Urganlı	Resistivity	2010
ENERJİA (ENERGY HOLDİNG CO.)	Salihli	Alaşehir	Resistivity	2011
ENERJİA (ENERGY HOLDİNG CO.)	İzmir	Yeniköy	Resistivity	2011
ARMUTLU COOPERATIVE	Yalova	Armutlu	Resistivity	2011
EKŞİ CONSTRUCTION CO.	Balıkesir	Bigadiç	Resistivity	2011
KABAKLARLI INC.	Uşak	Akbıyık	Resistivity	2011
MÜLKAR CONSTRUCTION INC.	Denizli	Pamukkale	Resistivity	2012
BEYAZKENT Building Cooperative	Denizli	Pamukkale	Resistivity	2012
GÜRE MUNICIPAL	Edremit	Güre	Resistivity	2012
KEN-KİPAŞ INC.	Aydın	Yılmazköy	Resistivity	2012
ERİKOĞLU HOLDİNG CO.	Aydın	Moralı	Resistivity	2012
ERİKOĞLU HOLDİNG CO.	Kuyucak	Yamalak	Resistivity	2012
ERİKOĞLU HOLDİNG CO.	Horsunlu	Buharkent	Resistivity	2012
ŞÜKRÜ TAMER BAŞYAZICIOĞLU	Denizli	Sarayköy	Resistivity	2012
MERVE GEOTHERMAL	İzmir	Alaçatı	Resistivity	2012
MERVE GEOTHERMAL	Ahmetli	Alahıdır	Resistivity	2012
İŞİL TEXTİLE	İzmir	Dikili	Resistivity	2012
MTN ENERGY LTD INC. 1. Stage	Çanakkale	Tuzla	Resistivity	2012
İPEKS TARIM İŞLETMELERİ	Afyon	Köprülü	Mt-Amf	2013
KARAAĞAÇ MUNICIPAL	Burhanıye	Karaağaç	Resistivity	2013
HATEKS ENERGY	İzmir	Söke	Resistivity	2012

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MTN ENERGY LTD INC 2.Stage	Çağakkale	Tuzla	Resistivity-Sp	2013
MTN ENERGY LTD INC	Balıkesir	Sındırgı	Mt-Amt	2013
MEGAPOL ENERGY INC.	İzmir	Karşıyaka	Resistivity	2013
FNC ENERGY	Kütahya	Simav	Mt-Amt	2013
SOYAK MİS ENERGY INC.	Salihli	Mevlütü	Resistivity	2013
AKSA ENERGY INC.	Alaşehir	Aydoğdu	Mt-Amt	2013

CERTIFICATES



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